

## Carter Carburetor Weekly Air Monitoring & Sampling Report

August 17, 2015 – August 23, 2015

Carter Carburetor Daily Weather Conditions							
	Monday 8/17/2015	Tuesday 8/18/2015	Wednesday 8/19/2015	Thursday 8/20/2015	Friday 8/21/2015	Saturday 8/22/2015	Sunday 8/23/2015
Temperature (range) <sup>1</sup>	94-74	93-71	76-63	84-59	86-64	79-66	82-67
Wind Speed (peak & average) <sup>2</sup>	6.7 / 2.8	11.2 / 4.3	8.9 / 3.6	8.9 / 3.0	8.9 / 3.0	8.9 / 2.5	8.9 / 2.9
Wind Direction (predominant)	W	SW	SW	SW	SW	SW	SW
Precipitation (total) <sup>3</sup>	0.06	0.45	0.46	0.00	0.00	0.91	Trace

Carter Carburetor Daily Work Activities							
Site Activity	Monday 8/17/2015	Tuesday 8/18/2015	Wednesday 8/19/2015	Thursday 8/20/2015	Friday 8/21/2015	Saturday 8/22/2015	Sunday 8/23/2015
Preparation for demolition and excavation	X	X	X	X	X		
Floor removal in CBI	X	X	X	X	X		
Excavation for soil retention wall	X						

### Daily Air Monitoring and Sampling Results

Air Monitoring / Sampling Results - Station 1 (Results reported in µg/m³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 8/17/2015	Tuesday 8/18/2015	Wednesday 8/19/2015	Thursday 8/20/2015	Friday 8/21/2015	Saturday 8/22/2015	Sunday 8/23/2015
<b>PM<sub>10</sub></b> <b>(24-hour TWA)</b>	Real-time	150 µg/m³ (NAAQS)	20.0	17.2	7.9	7.5			
<b>Aroclor - 1242</b> <b>(in air sample)</b>	Lab	30.7 µg/m³ (EPA Region 7)							
<b>Aroclor - 1248</b> <b>(in air sample)</b>	Lab	30.7 µg/m³ (EPA Region 7)							
<b>Aroclor - 1254</b> <b>(in air sample)</b>	Lab	30.7 µg/m³ (EPA Region 7)							
<b>Aroclor - 1260</b> <b>(in air sample)</b>	Lab	30.7 µg/m³ (EPA Region 7)							
<b>Comments</b>		Laboratory samples were not collected this week, 8/17/2015 through 8/23/2015. Real-time air monitoring equipment malfunctioned Friday, 8/21/2015, through Sunday, 8/23/2015.							

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Air Monitoring / Sampling Results - Station 2 (Results reported in µg/m³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 8/17/2015	Tuesday 8/18/2015	Wednesday 8/19/2015	Thursday 8/20/2015	Friday 8/21/2015	Saturday 8/22/2015	Sunday 8/23/2015
PM <sub>10</sub> (24-hour TWA)	Real-time	150 µg/m³ (NAAQS)	14.3	12.9	5.7	4.3	6.4	9.0	14.9
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Comments		Laboratory samples were not collected this week, 8/17/2015 through 8/23/2015.							

Air Monitoring / Sampling Results - Station 3 (Results reported in µg/m³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 8/17/2015	Tuesday 8/18/2015	Wednesday 8/19/2015	Thursday 8/20/2015	Friday 8/21/2015	Saturday 8/22/2015	Sunday 8/23/2015
PM <sub>10</sub> (24-hour TWA)	Real-time	150 µg/m³ (NAAQS)	19.6	17.4	6.3	5.8	8.3	10.5	19.3
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Comments		Laboratory samples were not collected this week, 8/17/2015 through 8/23/2015.							

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Air Monitoring / Sampling Results - Station 4 (Results reported in µg/m³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 8/17/2015	Tuesday 8/18/2015	Wednesday 8/19/2015	Thursday 8/20/2015	Friday 8/21/2015	Saturday 8/22/2015	Sunday 8/23/2015
PM <sub>10</sub> (24-hour TWA)	Real-time	150 µg/m³ (NAAQS)	13.0	11.3	3.1	2.6	4.8	6.6	15.1
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Comments		Laboratory samples were not collected this week, 8/17/2015 through 8/23/2015.							

Air Monitoring / Sampling Results - Station 5 (Results reported in µg/m³)									
Parameter	Type of Analysis	Standard / Action Level	Monday 8/17/2015	Tuesday 8/18/2015	Wednesday 8/19/2015	Thursday 8/20/2015	Friday 8/21/2015	Saturday 8/22/2015	Sunday 8/23/2015
PM <sub>10</sub> (24-hour TWA)	Real-time	150 µg/m³ (NAAQS)	20.3	18.6	3.6	2.6	5.9	10.1	21.5
Aroclor - 1242 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Aroclor - 1248 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Aroclor - 1254 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Aroclor - 1260 (in air sample)	Lab	30.7 µg/m³ (EPA Region 7)							
Comments		Laboratory samples were not collected this week, 8/17/2015 through 8/23/2015.							

### Legend:

No shading – indicates TWA readings less than the applicable standard/action level	Yellow shading – indicates a 1-hour TWA exceeded the applicable standard/action level, but the 24-hour TWA was below the standard/action level; initiate investigation	Red shading – indicates the 24-hour TWA exceeded the applicable standard/action level; initiate corrective action	Blue shading – indicates no data are available
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Aroclor – Monsanto mixture of polychlorinated biphenyl (PCB) congeners

NAAQS – National Ambient Air Quality Standard

PM<sub>10</sub> – Particulate matter less than 10 microns in size

TWA – Time-weighted average (average of data collected from 12:00 AM to 12:00 AM)

µg/m³ – Micrograms per cubic meter

<sup>1</sup> Temperature reported in degrees Fahrenheit

<sup>2</sup> Wind speed reported in miles per hour

<sup>3</sup> Precipitation reported in inches

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